



SONANCE®

ARCHITECTURAL SERIES™
SPEAKER AND WOOFER

OWNER'S MANUAL

Architectural Series™

ARCHITECTURAL SERIES SPEAKER AND WOOFER OWNER'S MANUAL



Introduction

Thank you for investing in Sonance Architectural Series™ Speakers. Architectural Series is the world's first line of truly flush-mount speakers, perfectly aligning the plane of the speaker grille with the plane of the wall or ceiling. Offering reference-level acoustic performance and breakthrough Visual Performance, Sonance Architectural Series Speakers strike the perfect balance for both your eyes and your ears.

This Owner's Manual covers the following Sonance Architectural Series speaker models: Z8, Z8F, Z8R, Z8S, X8, X8R, X8S, X8W, X8WR, X8WS, Z6, Z6R, Z6S, X6, X6R, X6S, Z4, Z4R, Z4S, X4, X4R, X4S.



Figure 1: Sonance Architectural Series™ Speakers (*left to right*):
Z4R, Z8F (white), X6S, X4.

Design and Features

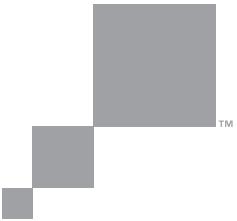
- The Architectural Series bracket's unique design allows it to actually become part of the wall or ceiling, so the speakers can be truly flush-mounted with their grilles perfectly aligned with the plane of the wall or ceiling surface.
- Three different footprint sizes provide a sense of visual context for any size room. Each footprint size is available in three geometric forms (rectangular, round and square) that quietly compliment your room's design elements.
- Four different Architectural Finish Component options make it easy to choose a look for the speakers that suits your room's design, and allow you to change the speakers' look to keep up with changes in your room's design:
 - Paintable perforated metal with trim
 - Paintable perforated metal without trim
 - Paintable cloth with trim
 - Paintable cloth without trim

The Z8 model is also available in a black or white Fascia version that has no grille.

- Two different performance levels let you choose your desired level of audio performance: Z-series speakers feature reference-quality beryllium drivers; X-series speakers feature audiophile-quality carbon fiber drivers.
- Cast aluminum baffles and woofer frames maintain precise tolerances and reduce resonances, delivering superior sound quality for a lifetime.
- Pivoting drivers direct the speakers' sound towards listeners for better performance in stereo and home theater installations.
- Adjustable midrange and tweeter levels fine-tune the speakers' performance for your room or your personal taste.

Architectural Series™

ARCHITECTURAL SERIES SPEAKER AND WOOFER OWNER'S MANUAL



Architectural Finish Components

FINISH COMPONENT OPTIONS

There are four different types of Architectural Finish Components available:



Micro-Perforated Metal Grille with Trim



Micro-Perforated Grille without Trim



Cloth Grille with Trim



Cloth Grille without Trim

All four types of Architectural Finish Components can be painted to match the wall or ceiling surface. Contact your Sonance Authorized Architectural Series Dealer/Installer for more information about painting Architectural Finish Components.

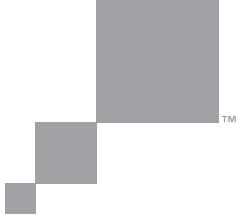
Performing Adjustments

Sonance Architectural Series Speakers' pivoting drivers and midrange/tweeter level adjustments are located on the speaker baffle, behind the Architectural Finish Component. (On Z8F models the level adjustments are located behind the fascia.) These adjustments should have been performed by the Sonance Authorized Architectural Series Dealer/Installer before you took delivery of your speakers. Because proper installation of the Architectural Finish Component is critical to the overall look of the finished speaker installation, Sonance recommends that you not attempt to remove the Architectural Finish Component to perform these adjustments yourself.

If you change the room's seating arrangement (which may require that the drivers be re-pivoted), or if you change the room's decor (which may require a change in the midrange/tweeter level adjustments), Sonance recommends that you contact your Sonance Authorized Architectural Series Dealer/Installer. If you are unable to contact your Architectural Series Dealer/Installer, contact the Sonance Technical Assistance Department on any business day at (800) 582-0772 or (949) 492-7777 from 7 a.m. to 5 p.m., Pacific Time. They will instruct you on how to proceed.

Architectural Series™

ARCHITECTURAL SERIES SPEAKER AND WOOFER OWNER'S MANUAL



Architectural Series Speaker Performance Specifications

Z8, Z8F, Z8R, Z8S

Tweeter: 1" (25mm) beryllium dome, ferrofluid cooled, pivoting

Midrange: 4" (102mm) beryllium cone, rubber surround, pivoting

Woofer: 8" (203mm) beryllium cone, rubber surround, extended pole piece (Z8, Z8F), pivoting (Z8R/Z8S)

Frequency Response: 30Hz – 20kHz ±3dB

Impedance: 6 ohms nominal; 4 ohms minimum

Power Handling: 5 watts minimum; 175 watts maximum

Sensitivity: 91dB SPL (2.83V/1 meter)

Adjustments: Tweeter and Midrange Level (±3dB)

Z6, Z6R, Z6S

Tweeter: 1" (25mm) beryllium dome, ferrofluid cooled, pivoting

Woofer: 6½" (165mm) beryllium cone, rubber surround, extended pole piece (Z6), pivoting (Z6R/Z6S)

Frequency Response: 40Hz – 20kHz ±3dB

Impedance: 6 ohms nominal; 4 ohms minimum

Power Handling: 5 watts minimum; 150 watts maximum

Sensitivity: 90dB SPL (2.83V/1 meter)

Adjustments: Tweeter Level (±3dB)

Z4, Z4R, Z4S

Tweeter: 1" (25mm) beryllium dome, ferrofluid cooled, pivoting

Woofer: 4" (102mm) beryllium cone, rubber surround, extended pole piece (Z4), pivoting (Z4R/Z4S)

Frequency Response: 50Hz – 20kHz ±3dB

Impedance: 8 ohms nominal; 6 ohms minimum

Power Handling: 5 watts minimum; 100 watts maximum

Sensitivity: 90dB SPL (2.83V/1 meter)

Adjustments: Tweeter Level (±3dB) on Z4 only

X8, X8R, X8S

Tweeter: 1" (25mm) silk dome, ferrofluid cooled, pivoting

Midrange: 4" (102mm) carbon fiber cone, rubber surround, pivoting

Woofer: 8" (203mm) carbon fiber cone, rubber surround, pivoting (X8R/X8S)

Frequency Response: 32Hz – 20kHz ±3dB

Impedance: 6 ohms nominal; 4 ohms minimum

Power Handling: 5 watts minimum; 150 watts maximum

Sensitivity: 91dB SPL (2.83V/1 meter)

Adjustments: Tweeter and Midrange Level (±3dB)

X6, X6R, X6S

Tweeter: 1" (25mm) silk dome, ferrofluid cooled, pivoting

Woofer: 6½" (165mm) carbon fiber cone, rubber surround, pivoting (X6R/X6S)

Frequency Response: 43Hz – 20kHz ±3dB

Impedance: 8 ohms nominal; 6 ohms minimum

Power Handling: 5 watts minimum; 135 watts maximum

Sensitivity: 90dB SPL (2.83V/1 meter)

Adjustments: Tweeter Level (±3dB)

X4, X4R, X4S

Tweeter: 1" (25mm) silk dome, ferrofluid cooled, pivoting

Woofer: 4" (102mm) carbon fiber cone, rubber surround, pivoting (X4R/X4S)

Frequency Response: 55Hz – 20kHz ±3dB

Impedance: 8 ohms nominal; 6 ohms minimum

Power Handling: 5 watts minimum; 80 watts maximum

Sensitivity: 90dB SPL (2.83V/1 meter)

Adjustments: Tweeter Level (±3dB) on X4 only

Architectural Series Woofer Performance Specifications

X8W, X8WR, X8WS

Woofer: 8" (203mm) long-throw carbon fiber cone, rubber surround

Frequency Response: 35Hz – 250Hz

Architectural Series™



ARCHITECTURAL SERIES SPEAKER AND WOOFER OWNER'S MANUAL

Architectural Series Speaker And Woofer Limited Lifetime Warranty Coverage (U.S.A. Only)

Sonance warrants to the original retail purchaser only that this Sonance product will be free from defects in materials and workmanship, provided the speaker was purchased from a Sonance Authorized Dealer.

Defective products must be shipped, together with proof of purchase, prepaid insured to the Authorized Sonance Dealer from whom they were purchased, or to the Sonance factory at the address listed on this instruction manual. Freight collect shipments will be refused. It is preferable to ship this product in the original shipping container to lessen the chance of transit damage. In any case, the risk or loss or damage in transit is to be borne by the purchaser. If upon examination at the factory or Authorized Sonance Dealer it is determined that the unit was defective in materials or workmanship at any time during this warranty period, Sonance or the Authorized Sonance Dealer will, at its option, repair or replace this product at no additional charge, except as set forth below. If this model is no longer available and can not be repaired effectively, Sonance, at its sole option, may replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, Sonance assumes no responsibility or liability for such modification. All replaced parts and product become the property of Sonance. Products replaced or repaired under this warranty will be returned to the original retail purchaser, within a reasonable time, freight prepaid.

This Warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, or service, repair or modification of the product which has not been authorized or approved by Sonance. This Warranty also excludes normal cosmetic deterioration caused by environmental conditions. This Warranty will be void if the Serial Number on the product has been removed, tampered-with or defaced. This Warranty is in lieu of all other expressed warranties. If the product is defective in materials or workmanship as warranted above, the purchaser's sole remedy shall be repair or replacement as provided above. In no event will Sonance be liable for any incidental or consequential damages arising out of the use or inability to use the product, even if Sonance or an Authorized Sonance Dealer has been advised of the possibility of such damages, or for any claim by any other party.

Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply. All implied warranties on the product are limited to the duration of this expressed Warranty. Some states do not allow limitation on the length of an implied warranty. If the original retail purchaser resides in such a state, this limitation does not apply.

EXCLUSIONS AND LIMITATIONS

The warranty set forth above is in lieu of all other warranties, express or implied, of merchantability, fitness for a particular purpose, or otherwise. The warranty is limited to Sonance products registered herein and specifically excludes any damage to loudspeakers and other allied or associated equipment which may result for any reason from use with this product. Sonance shall, in no event, be liable for incidental or consequential damages arising from any breach of this warranty or otherwise. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Architectural Series™

ARCHITECTURAL SERIES SPEAKER AND WOOFER OWNER'S MANUAL

Architectural Series Panel Bracket Limited Warranty Coverage (U.S.A. Only)

CONDITIONS

THE FOLLOWING LIMITED WARRANTY IS VOID AND INAPPLICABLE IF THE SONANCE ARCHITECTURAL SERIES PANEL BRACKETS HAVE NOT BEEN INSTALLED BY A CERTIFIED ARCHITECTURAL SERIES DEALER/INSTALLER USING RECOMMENDED PROCEDURES, MATERIALS AND TECHNIQUES, AS INDICATED IN THE INSTRUCTION MANUAL.

THIS LIMITED WARRANTY DOES NOT COVER DAMAGE CAUSED BY ACCIDENT, DISASTER, MISUSE, ABUSE, NEGLIGENCE, INADEQUATE PACKING OR SHIPPING PROCEDURES, COMMERCIAL USER OR SERVICE, REPAIR OR MODIFICATION OF THE PRODUCT WHICH HAS NOT BEEN AUTHORIZED OR APPROVED BY SONANCE. DAMAGE TO ARCHITECTURAL SERIES PANEL BRACKETS CAUSED BY THE OVER-TIGHTENING OR ARCHITECTURAL SERIES SPEAKER MOUNTING BOLTS IS CONSIDERED MISUSE AND IS NOT COVERED UNDER ANY PART OF THIS LIMITED WARRANTY. THIS LIMITED WARRANTY EXCLUDES VISIBLE CRACKING, WITNESS LINES ALONG SEAMS OR OTHER IMPERFECTIONS AT THE INSTALLATION SITE RESULTING FROM INSTALLATION NOT ACCORDING TO THE RECOMMENDED PROCEDURES, MATERIALS AND TECHNIQUES INDICATED IN THE INSTRUCTION MANUAL. THIS LIMITED WARRANTY ALSO EXCLUDES NORMAL COSMETIC DETERIORATION CAUSED BY ENVIRONMENTAL CONDITIONS, INCLUDING BUT NOT LIMITED TO SETTLING OF THE DWELLING CONTAINING THE PRODUCT OR POOR CONSTRUCTION OF SUCH DWELLING.

LIMITED WARRANTY

Sonance warrants to each owner of the Sonance Architectural Series Panel Bracket that the Panel Bracket is covered by a fifteen (15) year limited warranty from the original date of purchase by the first buyer. This limited warranty is transferable only to a new owner of the dwelling containing such Architectural Series Panel Brackets.

Should a Sonance Architectural Series Panel Bracket fail during the fifteen-year warranty period, Sonance will replace it at no charge, and will pay for:

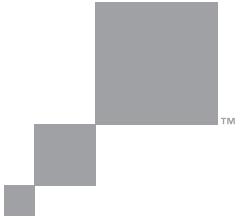
- (a) the labor to remove the defective Panel Bracket and its associated loudspeaker;
- (b) return shipping costs;
- (c) labor to re-install the Panel Bracket and its associated loudspeaker; and
- (d) except as set forth in the next paragraph, restoration of the wall or ceiling surface to a condition as close as reasonably possible to the original.

If permanent artwork covers the Panel Bracket, then Sonance shall not be responsible for any damage to such artwork, and the owner shall be responsible for restoring such artwork. If wall covering, such as wallpaper or leather or unique products, covers the Panel Bracket, then Sonance shall not be responsible for complete restoration.

If an Architectural Series Panel Bracket is thought to be defective, contact our Technical Assistance Department on any business day at (800) 582-0772 or (949) 492-7777 from 7 a.m. to 5 p.m., Pacific Time. They will instruct you on how to proceed. Products to be considered for coverage under this limited warranty must be shipped, together with proof of purchase, to the Sonance factory at the following address:

Sonance
212 Avenida Fabricante
San Clemente, CA 92672-7531
Attention: Quality Assurance Department

Architectural Series™



ARCHITECTURAL SERIES SPEAKER AND WOOFER OWNER'S MANUAL

It is preferable to ship this product in the original shipping container to lessen the chance of transit damage. In any case, the risk of loss or damage in transit is to be borne by the purchaser.

If, upon examination at the factory, it is determined that the unit was defective in materials, or workmanship, at any time during this warranty period, Sonance or the Authorized Sonance Dealer will, at its option, repair or replace this product at no additional charge as set forth on items (a) through (d) above, except as set forth below, within 30 days of receipt of the product. If this model is no longer available and cannot be repaired effectively, Sonance, at its sole option, may replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, Sonance assumes responsibility for liability for such modification only as far as is covered in item (d) above. All replaced parts and products become the property of Sonance. Products replaced or repaired under this warranty will be returned to the sender within a reasonable time, freight prepaid.

This limited warranty is in lieu of all other express warranties. If the product is defective in materials or workmanship as warranted above, the purchaser's sole remedy shall be repair or replacement as provided in items (a) through (d) above. In no event will Sonance be liable for any incidental or consequential damages arising out of the use or inability to use the product, even if Sonance or an Authorized Sonance Dealer has been advised of the possibility of such damages, or for any claim by any other party.

In states that do not allow the exclusion or limitation of consequential damages, the above limitation and exclusion may not apply. All implied warranties on the product are limited to the duration of this limited warranty. In states that do not allow limitation on the length of an implied warranty, this limitation does not apply.

EXCLUSIONS AND LIMITATIONS

This limited warranty is limited to Sonance products and specifically excludes any damage to loudspeakers and any other allied or associated equipment which may result for any reason from use with this product. Sonance shall, in no event, be liable for incidental or consequential damages arising from any breach of this limited warranty or otherwise. This limited warranty gives you specific legal rights, and you may have other rights which vary from state to state.



SONANCE®

©2007 Sonance. All rights reserved.

Sonance, Architectural Series and SonicEye are trademarks or registered trademarks of Dana Innovations.

Due to continuous product improvement, all specifications are subject to change without notice.
For the latest Sonance product specification information visit our website: www.sonance.com

SONANCE • 212 Avenida Fabricante • San Clemente, CA 92672-7531 • USA
800·582·7777 or 949·492·7777 • FAX: 949·361.5151 • Technical Support: 800·582·0772

www.sonance.com